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Sequence Listing was accepted.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: markspencer
Timestamp: [year=2008; month=12; day=5; hr=8; min=36; sec=58; ms=570; ]
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Validated By CRFValidator v 1.0.3

Application No: 10537897 Version No: 2.0

Input Set:

Output Set:

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Finished: 2008-11-18 11:01:32.858
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 255 ms
Total Warnings: 10
Total Errors: 11
No. of SeqIDs Defined: 52
Actual SeqID Count: 52

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E	257	Invalid sequence data feature in <221> in SEQ ID (6)
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W	402	Undefined organism found in <213> in SEQ ID (24)
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E	257	Invalid sequence data feature in <221> in SEQ ID (51)

Input Set:

Output Set:

Started: 2008-11-18 11:01:29.603
Finished: 2008-11-18 11:01:32.858
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 255 ms
Total Warnings: 10
Total Errors: 11
No. of SeqIDs Defined: 52
Actual SeqID Count: 52

Error code	Error Description
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SEQUENCE LISTING

<110> MOLINERO, ANA ISABEL SANZ

<120> PLANTS HAVING MODIFIED GROWTH CHARACTERISTICS AND A METHOD FOR MAKING THE SAME

<130> 4982-5

<140> 10537897
<141> 2005-06-07

<150> PCT/EP03/51104
<151> 2003-12-24

<150> EP 02080654.3
<151> 2002-12-24

<160> 52

<170> PatentIn version 3.5

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<211> 692
<212> DNA
<213> Arabidopsis thaliana

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aagatccgat ttccaccacc aaaacctcac tgaggaagag tatctagctt tttgcctcat 180

gcttctcgct cgcgacaacc gtcagcctcc tcctcctccg gcggtggaga agttgagcta 240

caagtgtagc gtctgcgaca agacgttctc ttcttaccaa gctctcggtg gtcacaaggc 300

aagccaccgt aagaacttat cacagactct ctccggcgga ggagatgatc attcaacctc 360

gtcggcgaca accacatccg ccgtgactac tggaagtggg aaatcacacg tttgcaccat 420

ctgtaacaag tcttttcctt ccggtcaagc tctcggcgga cacaagcggt gccactacga 480

aggaaacaac aacatcaaca ctagtagcgt gtccaactcc gaaggtgcgg ggtccactag 540

ccacgttagc agtagccacc gtgggtttga cctcaacatc cctccgatcc ctgaattctc 600

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<212> PRT

<213> Arabidopsis thaliana

<400> 2

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Lys Gly Lys Arg Ser Lys Arg Ser Arg Ser Asp Phe His His Gln Asn
        35                  40                  45

Leu Thr Glu Glu Glu Tyr Leu Ala Phe Cys Leu Met Leu Leu Ala Arg
    50                  55                  60

Asp Asn Arg Gln Pro Pro Pro Pro Pro Ala Val Glu Lys Leu Ser Tyr
65                  70                  75                  80

Lys Cys Ser Val Cys Asp Lys Thr Phe Ser Ser Tyr Gln Ala Leu Gly
                85                  90                  95

Gly His Lys Ala Ser His Arg Lys Asn Leu Ser Gln Thr Leu Ser Gly
            100                 105                 110

Gly Gly Asp Asp His Ser Thr Ser Ser Ala Thr Thr Thr Ser Ala Val
        115                 120                 125

Thr Thr Gly Ser Gly Lys Ser His Val Cys Thr Ile Cys Asn Lys Ser
    130                 135                 140

Phe Pro Ser Gly Gln Ala Leu Gly Gly His Lys Arg Cys His Tyr Glu
145                 150                 155                 160

Gly Asn Asn Asn Ile Asn Thr Ser Ser Val Ser Asn Ser Glu Gly Ala
                165                 170                 175

Gly Ser Thr Ser His Val Ser Ser Ser His Arg Gly Phe Asp Leu Asn
            180                 185                 190

Ile Pro Pro Ile Pro Glu Phe Ser Met Val Asn Gly Asp Asp Glu Val
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Met Ser Pro Met Pro Ala Lys Lys Pro Arg Phe Asp Phe Pro Val Lys
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Leu Gln Leu
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<213> Artificial Sequence

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<212> PRT
<213> Artificial Sequence

<220>
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<212> PRT
<213> Artificial Sequence

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<213> Artificial Sequence

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Val, Trp or Tyr

<220>
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<222> (5)..(5)
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Val, Trp or Tyr

<220>
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<222> (6)..(6)
<223> Variable amino acid or not present

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<210> 8
<211> 7
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

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<223> May or may not be present

<220>
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<212> PRT
<213> Artificial Sequence

<220>
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<223> Variable amino acid

<220>
<221> MOD_RES
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<220>
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<220>
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<222> (10)..(11)
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<211> 1006
<212> DNA
<213> Datisca glomerata

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gacgacccca gcttgaatta ccttgagcca tggaccaagc gtaagcgttc caagcgtacg 180

cgcttagata gccccatacc gaggaagagt accttgcttt ctgcctcatc atgctcgctc 240

gtggccgcgt tgcctctgca aatcgacggg attctcagtc ttccattcag attcagcctg 300

aagcaacgac ttcggctacc aaagtcagtt ataagtgctc tgtgtgcgat aaggcctttt 360

cgtcttatca ggctttgggt gggcacaagg ccagccacag aaagctcgct ggcggcgaag 420

atcaatcgac ttcctttgcc accacgaatt cagccaccgt cactaccacc acagcctccg 480

gaggtggtgg caggtctcat gagtgttcta tttgccacaa atcgttcccg actggccagg 540

ccttgggtgg tcacaagcgc tgccactacg aaggcagtat cggcggcaat agtattcacc 600

accacaacaa taccaccaac agcggaagca acggtggcat gagcatgacc tccgaagtag 660

gttccacaca cacagtcagc cacagtcacc gtgacttcga tctcaacatc ccggccttgc 720

cggagtttcg gtcgaatttc ttcatatccg gggatgacga ggtcgagagt cctcatccgg 780

ccaagaaacc ccgtatattg atgaaataaa acatttctca agatcactga accaggcttt 840

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attaatatat ttcgtgtaca taaatttgta gttctttaac acactctgtt tcattttctt 960

gctttgctca actttgtatt ggttatttca ttatgaaaat tcaatt 1006

<210> 11
<211> 247
<212> PRT
<213> Datisca glomerata

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20 25 30

Lys Arg Ser Lys Arg Thr Arg Leu Asp Ser Pro His Thr Glu Glu Glu
35 40 45

Tyr Leu Ala Phe Cys Leu Ile Met Leu Ala Arg Gly Arg Val Ala Ser
50 55 60

Ala Asn Arg Arg Asp Ser Gln Ser Ser Ile Gln Ile Gln Pro Glu Ala
65 70 75 80

Thr Thr Ser Ala Thr Lys Val Ser Tyr Lys Cys Ser Val Cys Asp Lys
85 90 95

Ala Phe Ser Ser Tyr Gln Ala Leu Gly Gly His Lys Ala Ser His Arg
100 105 110

Lys Leu Ala Gly Gly Glu Asp Gln Ser Thr Ser Phe Ala Thr Thr Asn
115 120 125

Ser Ala Thr Val Thr Thr Thr Thr Ala Ser Gly Gly Gly Gly Arg Ser
130 135 140

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His Glu Cys Ser Ile Cys His Lys Ser Phe Pro Thr Gly Gln Ala Leu
145                 150                 155                 160

Gly Gly His Lys Arg Cys His Tyr Glu Gly Ser Ile Gly Gly Asn Ser
                165                 170                 175

Ile His His His Asn Asn Thr Thr Asn Ser Gly Ser Asn Gly Gly Met
            180                 185                 190

Ser Met Thr Ser Glu Val Gly Ser Thr His Thr Val Ser His Ser His
        195                 200                 205

Arg Asp Phe Asp Leu Asn Ile Pro Ala Leu Pro Glu Phe Arg Ser Asn
    210                 215                 220

Phe Phe Ile Ser Gly Asp Asp Glu Val Glu Ser Pro His Pro Ala Lys
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Lys Pro Arg Ile Leu Met Lys
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<213> Glycine max

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ttgacgaccc aactattcca tgggcgaaac gaaaacgttc aaagcgttct cgcgaccatc 180

cttctgaaga agagtacctc gccctctgcc tcatcatgct cgctcgcggc ggcaccacca 240

ccgtcaacaa ccgccacgtc agccctccgc cgctacagcc acagccacag ccgacaccag 300

atccttccac caagctcagt tacaaatgct ccgtttgcga caagagcttc ccctcttacc 360

aagcgctcgg tggacacaag gccagtcacc ggaaactcgc cggcgccgcc gaagaccaac 420

cccccagcac caccacttcc tccgccgccg ccaccagctc cgcctccgga ggtaaggccc 480

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gttgtcacta cgaaggtaac ggtaacggaa ataacaacaa cagtaacagc gttgtcaccg 600

tcgcctcgga aggcgtgggc tccacccaca ctgtcagtca cggccaccac cgcgacttcg 660

atctcaacat cccggccttt ccggattttt cgaccaaggt cggagaagac gaggttgaga 720

gccctcaccc tgtcatgaag aagcctcgcc tcttcgtcat tcccaagatc gaaatccccc 780

aatttcaatg aactcgttga atttttagtt tatttttcga ctatatattt tggagaattt 840

tgagagttac tataatttga ttttgtacat agtacttgga agttttgttg gaccgtaccg 900

gacccagttc tctggttgag gttgtacttt cacaacagtg gcagatttgc aattcaattc 960

aatttatttg tttattttaa aaaaaaaaaa aaaaaa 996

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<213> Glycine max

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20 25 30

Arg Ser Arg Asp His Pro Ser Glu Glu Glu Tyr Leu Ala Leu Cys Leu
35 40 45

Ile Met Leu Ala Arg Gly Gly Thr Thr Thr Val Asn Asn Arg His Val
50 55 60

Ser Pro Pro Pro Leu Gln Pro Gln Pro Gln Pro Thr Pro Asp Pro Ser
65 70 75 80

Thr Lys Leu Ser Tyr Lys Cys Ser Val Cys Asp Lys Ser Phe Pro Ser
85 90 95

Tyr Gln Ala Leu Gly Gly His Lys Ala Ser His Arg Lys Leu Ala Gly
100 105 110

Ala Ala Glu Asp Gln Pro Pro Ser Thr Thr Thr Ser Ser Ala Ala Ala
115 120 125

Thr Ser Ser Ala Ser Gly Gly Lys Ala His Glu Cys Ser Ile Cys His
130 135 140

Lys Ser Phe Pro Thr Gly Gln Ala Leu Gly Gly His Lys Arg Cys His

145 150 155 160

Tyr Glu Gly Asn Gly Asn Gly Asn Asn Asn Asn Ser Asn Ser Val Val
165 170 175

Thr Val Ala Ser Glu Gly Val Gly Ser Thr His Thr Val Ser His Gly
180 185 190

His His Arg Asp Phe Asp Leu Asn Ile Pro Ala Phe Pro Asp Phe Ser
195 200 205

Thr Lys Val Gly Glu Asp Glu Val Glu Ser Pro His Pro Val Met Lys
210 215 220

Lys Pro Arg Leu Phe Val Ile Pro Lys Ile Glu Ile Pro Gln Phe Gln
225 230 235 240

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<211> 1006
<212> DNA
<213> Medicago sativa

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tggaagcact taactcaccc accactgcta ctcctttcac acccttgag gaaccaaatc 180

tgagttatct tgaaacaccg tggacgaaag gtaaacgatc aaagcgttct cgcatggatc 240

aatcttcatg cactgaagaa gagtatctcg ctctttgtct catcatgctt gctcgcagcg 300

gtaacaacaa cgacaaaaag tctgattcgg tggcgacgcc gctaaccacc gttaaactca 360

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cttcatccgc cgtgactacc agctctgctt ccaacggtaa gaacaagact catgagtgtt 540

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<211> 235
<212> PRT
<213> Medicago sativa

<400> 15

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Gly Lys Arg Ser Lys Arg Ser Arg Met Asp Gln Ser Ser Cys Thr Glu
        35                  40                  45

Glu Glu Tyr Leu Ala Leu Cys Leu Ile Met Leu Ala Arg Ser Gly Asn
    50                  55                  60

Asn Asn Asp Lys Lys Ser Asp Ser Val Ala Thr Pro Leu Thr Thr Val
65                  70                  75                  80

Lys Leu Ser His Lys Cys Ser Val Cys Asn Lys Ala Phe Ser Ser Tyr
                85                  90                  95

Gln Ala Leu Gly Gly His Lys Ala Ser His Arg Lys Ala Val Met Ser
            100                 105                 110

Ala Thr Thr Ala Glu Asp Gln Ile Thr Thr Thr Ser Ser Ala Val Thr
        115                 120                 125

Thr Ser Ser Ala Ser Asn Gly Lys Asn Lys Thr His Glu Cys Ser Ile
    130                 135                 140

Cys His Lys Ser Phe Pro Thr Gly Gln Ala Leu Gly Gly His Lys Arg
145                 150                 155                 160

Cys His Tyr Glu Gly Ser Val Gly Ala Gly Ala Gly Ala Gly Ser Asn
                165                 170                 175
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Ala Val Thr Ala Ser Glu Gly Val Gly Leu Ser His Ser His His Arg
            180                 185                 190

Asp Phe Asp Leu Asn Leu Pro Ala Phe Pro Asp Phe Ser Lys Lys Phe
        195                 200                 205

Phe Val Asp Asp Glu Val Phe Ser Pro Leu Pro Ala Ala Lys Lys Pro
    210                 215                 220

Cys Leu Phe Lys Leu Glu Ile Pro Ser His Tyr
225                 230                 235
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ggattcttgg gctaaaggaa aacgatcaaa acggccccgt attgatgccc caccgactga    180

agaagagtat ttagccctct gtctcatcat gctcgctcgc agcggaaccg gaaccagaac    240

cggtttaact gatgctacta cttcccaaca acctgccgat aaaaaaaccg ccgagttgcc    300

gccggttcat aagaaagagg tggcaacaga gcaagcagag caatcttaca agtgtagcgt    360

gtgtgacaag gctttttctt cttatcaagc actcggtggg cataaagcaa gtcaccgtaa    420

aactactact actgctaccg ccgcctctga tgataacaat ccttcaactt caacttccac    480

tggcgccgtt aatatctctg ctcttaatcc aactggtcgt tcacacgtct gttctatttg    540

ccacaaggct tttcctactg gccaagcttt gggtgggcac aagcgccgcc actatgaagg    600

caaactcggt ggtaacagcc gcgacttagg cggcggcggc ggcggcggtc atagtggaag    660

cgtcttgact acttcagacg gcggcgcgtc gactcacacg ctacgtgact ttgacctgaa    720

catgcctgct tcgccggaat tgcaactggg tctgagtatt gattgtggac ggaaaagtca    780

actgttgccg atggtccaag aggtggaaag tcctatgcct gcaaagaaac cgcgtttatt    840

gttttcgttg ggttgaaact tctttagggg aattgaattg attgtgtttt agccaaatta    900

gtaaattggt tcatgtgatt ttatttttag gaaaaggaat tattgattgt tttacccgtt    960

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<210> 17
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<213> Nicotiana tabacum

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            20